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and soil name	Pct.   of  map  unit	manure and food processing was	-	Application of sewage sludg	e	Disposal of wastewater by irrigation	ı
	     	   Rating class and   limiting features 		Rating class and   limiting features			
13B: Zook	     45   	    Very limited   Restricted   permeability 	      1.00 	  Very limited   Depth to   saturated zone   (NOV-JUL)	    1.00 	    Very limited   Depth to   saturated zone   (NOV-JUL)	1 1.00
	       	Depth to   saturated zone   (NOV-JUL)   Leaching   limitation	1.00        0.50	permeability	1.00       	Restricted   permeability     	1.00     
Olmitz	   30   	  Not limited     	       	  Not limited     	     	  Somewhat limited   Too steep for   surface   application	  0.08 
	20             	  Very limited   Depth to   saturated zone   (NOV-JUL)   	  1.00         	  Very limited   Depth to   saturated zone   (NOV-JUL)   	  1.00         	  Very limited   Depth to   saturated zone   (NOV-JUL)   Too steep for   surface   application	1.00
23C: Arispe	  100                   	  Very limited   Restricted   permeability   Depth to   saturated zone   (NOV-JUL) 	  1.00    0.43     	permeability	11.00	permeability Too steep for surface application Depth to saturated zone (NOV-JUL) Too steep for sprinkler	  1.00    0.92      0.43      0.02
23C2: Arispe	 	 	         1.00     1.00     0.43 	 	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	application      Very limited   Restricted   permeability   Too steep for   surface   application   Depth to   saturated zone   (NOV-JUL)	      1.00    0.92      0.43

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Map symbol and soil name	Pct.   of  map  unit	manure and food processing was	l-	Application of sewage sludg	re	Disposal of wastewater by irrigation	ı
	     	Rating class and   limiting features		Rating class and   limiting features		Rating class and   limiting features	Value   
	       	 		 		Too steep for sprinkler application	  0.02   
24D: Shelby	 - 100   	  Somewhat limited   Slope 	    0.63 	  Somewhat limited   Slope 	    0.63 	  Very limited   Too steep for   surface   application	    1.00 
		Restricted   permeability	0.30	Restricted   permeability	0.22	= =	0.78
		   Too acid   	0.02	Too acid   	0.07	Restricted   permeability   Too acid	10.22
24D2: Shelby	    -	 		 		      Very limited	
Siletby		Slope	0.63		0.63	<del>-</del>	11.00
	     	Restricted permeability	0.30	Restricted permeability	0.22		0.78
	i I I	Too acid   	0.02	Too acid	0.07	Restricted   permeability   Too acid	0.22    0.07
24E2: Shelby	    -   95	    Very limited	   	    Very limited	   	    Very limited	
		Slope	11.00	=	1.00	<del>-</del>	11.00
		Restricted   permeability	0.30	Restricted   permeability	0.22		11.00
		   Too acid   	0.02	   Too acid   	0.07	Apprication   Restricted   permeability   Too acid	0.22
24E3: Shelby	  -  95   	  Very limited   Slope 	11.00	  Very limited   Slope   	11.00	  Very limited   Too steep for   surface   application	11.00
	 	Restricted   permeability 	0.30	Restricted   permeability	0.22	= =	11.00

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Map symbol and soil name	  Pct.   of  map  unit	manure and food processing was	_	   Application   of sewage sludg   		Disposal of wastewater by irrigation	
	   			Rating class and   limiting features			
	       	Too acid	  0.02   	Too acid	0.07	Restricted   Restricted   permeability   Too acid	  0.22    0.07
24F2: Shelby	  -  100   		    1.00 		    1.00 	  Very limited   Too steep for   sprinkler   application	    1.00 
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for surface application	11.00
		Too acid 	0.02	Too acid 	0.07	Restricted   permeability   Too acid	0.22    0.07
51:						 	
Vesser	90         	Depth to   saturated zone   (NOV-JUL)	1.00   	Flooding   	11.00	Very limited   Depth to   saturated zone   (NOV-JUL)   Flooding	11.00
51+: Vesser	       90	      Verv limited	     	i I	     	      Very limited	 
.0002						Depth to   saturated zone   (NOV-JUL)	11.00
	 		0.60	Depth to   saturated zone   (NOV-JUL)	11.00	Flooding     	0.60
51B: Vesser	   90         	  Very limited   Depth to   saturated zone   (NOV-JUL)   	1.00 		1.00 		  1.00        0.08
51B+: Vesser	  -   90     	  Very limited   Depth to   saturated zone   (NOV-JUL)	1 1.00	  Very limited   Depth to   saturated zone   (NOV-JUL)	11.00	  Very limited   Depth to   saturated zone   (NOV-JUL)	11.00

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Map symbol and soil name	Pct.   of  map  unit	manure and food processing was	<u> </u>	Application Of sewage sludg	Application   of sewage sludge 		ı
	     	   Rating class and   limiting features 		Rating class and   limiting features		Rating class and   limiting features	
	     	 	     	 	     	Too steep for surface application	  0.08   
54: Zook	   95	  Very limited   Restricted		  Very limited   Depth to	    1.00	  Very limited   Depth to	    1.00
	   	permeability		saturated zone   (NOV-JUL)		saturated zone   (NOV-JUL)	
	i I	Depth to saturated zone NOV-JUL	11.00		11.00		11.00
	   	Flooding	0.60	Restricted   permeability	11.00	Flooding	0.60
	 	Leaching   limitation	0.50 	 		 	 
54+: Zook	   95 	  Very limited   Restricted   permeability	11.00	saturated zone	11.00	saturated zone	11.00
		   Depth to   saturated zone   (NOV-JUL)	11.00	(NOV-JUL)   Flooding 	11.00	(NOV-JUL)   Restricted   permeability	11.00
	   	Flooding	0.60	Restricted   permeability	11.00	   Flooding 	0.60
		Leaching   limitation	0.50 	 		 	
54B: Zook	   90 	    Very limited   Restricted	11.00	  Very limited   Depth to	11.00	    Very limited   Depth to	11.00
	 	permeability     Depth to	    1.00	saturated zone   (NOV-JUL)   Restricted	    1.00	saturated zone   (NOV-JUL)   Restricted	    1.00
	 	saturated zone   (NOV-JUL)	i I	permeability		permeability	i I
	     	Leaching   limitation   	0.50   	 		Too steep for   surface   application	0.08     
65E: Lindley	   95 	  Very limited   Slope	    1.00	  Very limited   Slope	1 1.00	  Very limited   Too steep for	    1.00
	 	 		 		surface   application	

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Map symbol and soil name	Pct.   of  map  unit	manure and food processing was	l-	Application of sewage sludg	ſe	Disposal of wastewater by irrigation	1
	     	   Rating class and   limiting features 		   Rating class and   limiting features 		   Rating class and   limiting features 	Value
		   Restricted   permeability	  0.30 	   Too acid 	0.31	   Too steep for   sprinkler   application	11.00
	   	   Too acid 	0.08	Restricted   permeability	0.22		0.31
	     	 	 	 	     	Restricted permeability	0.22
65E2: Lindley	   95 	  Very limited   Slope 	1 1.00	  Very limited   Slope 	1 1.00	  Very limited   Too steep for   surface	11.00
	   	   Restricted   permeability	  0.30 	   Too acid 	  0.31 	application   Too steep for   sprinkler   application	11.00
	   	   Too acid 	0.08	Restricted   permeability	0.22		0.31
	     	 	     		     	Restricted permeability	0.22
65F: Lindley	   95	'    Very limited	i i	'    Very limited	i i	'    Very limited	į I
		Slope   	1.00 	Slope   	1.00 	Too steep for   sprinkler   application	1.00 
	     	Restricted permeability	0.30	Too acid	0.31		11.00
	   	   Too acid 	0.08	Restricted   permeability	0.22		0.31
	 	  -  -	   	  -  -	   	Restricted   permeability	0.22 
65F2: Lindley	95   95 	  Very limited   Slope 	11.00	  Very limited   Slope 	11.00	  Very limited   Too steep for   sprinkler   application	11.00
	     	Restricted   permeability	0.30	Too acid   	0.31		11.00
	   	   Too acid 	0.08	   Restricted   permeability	0.22	application   Too acid 	0.31
	 	  -	i I		i I	   Restricted   permeability	0.22

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Map symbol and soil name	Pct.   of  map  unit	manure and food processing was	l-	Application of sewage sludg	re	Disposal of wastewater by irrigatior	1
	     			Rating class and   limiting features			Value
65G: Lindley	     95 	    Very limited   Slope	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	    Very limited   Slope	1 1.00	 	1 1.00
	     	Restricted   permeability	0.30	Too acid   	0.31	= =	11.00
	   	   Too acid 	0.08	Restricted   permeability	0.22	Too acid 	0.31
	   	 	   	 	   	Restricted   permeability	0.22 
65G2:	į	İ	i	İ	i	İ	i
Lindley	95     	Very limited   Slope 	  1.00 	Very limited   Slope 	11.00	Very limited   Too steep for   sprinkler   application	  1.00 
	     	Restricted permeability	0.30	Too acid   	0.31	= =	1.00
	 	Too acid	0.08	Restricted permeability	0.22	Too acid 	0.31
	   	 	   	 	   	Restricted   permeability 	0.22   
93D2: Shelby	   60 	  Somewhat limited   Slope	    0.63	  Somewhat limited   Slope	    0.63	· •	    1.00
		     Restricted	10.30	•	1   0.22	•	1 10.78
	   	permeability     Too acid	    0.02	permeability     Too acid	    0.07	sprinkler   application   Restricted	1 0.22
	   	 		 		permeability   Too acid	10.07
Adair	40   	  Very limited   Restricted   permeability	1.00	  Very limited   Restricted   permeability	1.00	  Very limited   Too steep for   surface   application	11.00
	     	   Depth to   saturated zone   (NOV-JUL)	1.00	Depth to   saturated zone   (NOV-JUL)	1.00	· • •	11.00
		Slope   	0.63		0.63	Depth to saturated zone (NOV-JUL)	11.00

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Map symbol and soil name	Pct.   of  map  unit	manure and food processing was	l-	Application of sewage sludg		Disposal of wastewater by irrigation	า
	     			Rating class and   limiting features			
	       	 		 	       	Too steep for sprinkler application	  0.78   
94D2:			1	1	Ţ		1
Mystic	·  60     	Very limited   Restricted   permeability		Very limited   Restricted   permeability		Very limited   Too steep for   surface   application	11.00
	   	saturated zone		•		Restricted   permeability	11.00
	 	Slope   	0.63   	Slope   	0.63   	Depth to   saturated zone   (NOV-JUL)	1.00 
	 	Too acid   	0.08	Too acid	0.31	Too steep for   sprinkler   application	0.78   
		 		 		Too acid	0.31
Caleb	40   	Somewhat limited   Slope 		Somewhat limited   Slope		Very limited   Too steep for   surface	11.00
	     	   Too acid   	0.08	   Too acid   	0.31	application   Too steep for   sprinkler   application	  0.78 
	į	I			į	Too acid	0.31
94E2:		 	]	 		 	
Mystic	·  60   	Very limited   Restricted   permeability	11.00	Very limited   Restricted   permeability	11.00	Very limited   Too steep for   surface   application	11.00
	   	   Slope   	11.00	Slope   	11.00	Too steep for   sprinkler   application	11.00
	   	Depth to saturated zone (NOV-JUL)	11.00	Depth to saturated zone (NOV-JUL)	11.00	Restricted   permeability	11.00
	   	Too acid	0.08   		0.31   	Depth to saturated zone (NOV-JUL)	11.00
		 		 		Too acid	0.31
Caleb	35	  Very limited		  Very limited		  Very limited	

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* *	Pct. of map unit	manure and food processing was	1-	Application of sewage sludg		Disposal of wastewater by irrigation	n
	     	Rating class and limiting features		Rating class and   limiting features		Rating class and   limiting features	
	       	   Slope 	11.00	   Slope 	11.00	Too steep for   surface   application	11.00
	 	Too acid     	0.08     	Too acid     	0.31   	Too steep for   sprinkler   application   Too acid	1.00      0.31
131B:		 		 		 	1
Pershing	90   	Very limited   Restricted   permeability		Very limited   Restricted   permeability	11.00	Very limited   Restricted   permeability	11.00
	 	Depth to   saturated zone   (NOV-JUL)		Depth to   saturated zone   (NOV-JUL)	0.43	Depth to   saturated zone   (NOV-JUL)	0.43
	       	Too acid	0.08		0.31		0.31
131C: Pershing	1	    Vary limited		    Very limited		    Very limited	
reraining		Restricted   permeability	11.00	Restricted   permeability	11.00	•	11.00
		Depth to   saturated zone   (NOV-JUL)	0.43	Depth to   saturated zone   (NOV-JUL)	0.43	Too steep for   surface   application	0.92 
	     	(NOV-001)   Too acid 	0.08		0.31	Depth to   saturated zone   (NOV-JUL)	0.43
	       	 	     	 	     	Too acid   Too steep for   sprinkler   application 	0.31  0.02   
131C2: Pershing	  100			  Very limited		  Very limited	1
		Restricted   permeability	i	Restricted   permeability	İ	Restricted   permeability	1.00
	   	Depth to   saturated zone   (NOV-JUL)	0.43   	, bacaracea remo	1	Too steep for   surface   application	0.92 
		(NOV-UUL)   Too acid 	0.08	,		Depth to   saturated zone   (NOV-JUL)	0.43

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and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg	e	Disposal of wastewater by irrigatior	1
	     			Rating class and   limiting features		Rating class and   limiting features	
	         	 	       	 		Too steep for sprinkler application	  0.02   
131D2: Pershing	  100     	  Very limited   Restricted   permeability 	11.00	  Very limited   Restricted   permeability 	    1.00 	  Very limited   Too steep for   surface   application	    1.00 
	       	Slope     Depth to   saturated zone   (NOV-JUL)	0.63    0.43 	   Depth to	0.43	Restricted   permeability   Too steep for   sprinkler   application	1.00    0.78 
	 	Too acid	0.08	Too acid     		Depth to   saturated zone   (NOV-JUL)   Too acid	0.43
132B: Weller	   100   1   1   1   1   1	Restricted   permeability   Depth to   saturated zone   (NOV-JUL)	1.00	permeability Depth to saturated zone (NOV-JUL)	1.00		      1.00      0.43      0.31  0.08
132C: Weller	       	Restricted   permeability   Depth to   saturated zone   (NOV-JUL)	1.00	Restricted   permeability   Depth to   saturated zone   (NOV-JUL)	1.00    0.43 		
132C2: Weller	    100	    Very limited	   	    Very limited	   	    Very limited	 

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Map symbol and soil name	Pct.   of  map  unit	manure and food processing was	_	Application of sewage sludg		Disposal of   wastewater   by irrigation 	ı
	     	Rating class and   limiting features		Rating class and   limiting features		Rating class and   limiting features	Value   
			11.00		11.00	permeability	11.00
		Depth to   saturated zone   (NOV-JUL)	0.43   	_	0.43   	Too steep for   surface   application	0.92   
	   	Too acid   	0.08   	Too acid   	0.31   	· •	0.43   
	     	 	       	 		Too acid   Too steep for   sprinkler   application	0.31  0.02   
132D2: Weller	  -  100	    Very limited	i I	  Very limited	i i	  Very limited	İ
				Restricted	11.00	_	11.00
	į	Slope	0.63	Slope	0.63	• • •	11.00
	   	Depth to saturated zone (NOV-JUL)	0.43 	Depth to saturated zone (NOV-JUL)	0.43	• •	0.78
	     	Too acid	0.08   	Too acid	0.31	Depth to	0.43
		 	 	 		Too acid 	0.31 
172: Wabash	 -  95	  Very limited		  Very limited		  Very limited	
	 	Restricted   permeability		Restricted   permeability	1.00 	Restricted   permeability	1.00 
	   	Depth to   saturated zone   (NOV-JUL)	İ	Depth to   saturated zone   (NOV-JUL)	1.00 	Depth to   saturated zone   (NOV-JUL)	11.00
		Flooding   Runoff limitation	0.60	Flooding 	11.00	Flooding 	0.60
179D2: Gara	  -   95	•		    Somewhat limited		    Very limited	
	   	Slope   	0.63   	Slope   	0.63   	Too steep for   surface   application	1.00   
	   		0.30 	Restricted permeability	0.22   	= =	0.78

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Map symbol and soil name	Pct.   of  map  unit	manure and food processing was	l-	Application   of sewage sludg   	ge	Disposal of wastewater by irrigation	ı
	   			Rating class and   limiting features 			
		 		 		   Restricted   permeability	  0.22 
179E:							i
Gara	95	Very limited   Slope 	11.00	Very limited   Slope 	11.00	surface	11.00
		   Restricted   permeability 	0.30	   Restricted   permeability 	0.22	application   Too steep for   sprinkler   application	11.00
	   	 	   	 	   	Restricted   permeability 	0.22   
179E2:			1		1		1
Gara	-  95   	Very limited   Slope 	11.00	Very limited   Slope 	11.00	Very limited   Too steep for   surface   application	11.00
		   Restricted   permeability 	0.30	   Restricted   permeability 	0.22		11.00
		   		 	 	permeability	
179E3: Gara		1770 144	1	177 1	1	1770 144	
Gald		Slope	11.00	Very limited   Slope 	11.00	Very limited   Too steep for   surface   application	11.00
		Restricted permeability	0.30	Restricted permeability	0.22		11.00
	     	   	     	   	     	Restricted   permeability	0.22
179F: Gara	  -  - 100	    Very limited		'    Very limited		    Very limited	İ
Cara		Slope		Slope		Too steep for   sprinkler   application	11.00
	     	   Restricted   permeability 	0.30	Restricted   permeability 	0.22	Too steep for   surface   application	11.00
	į	  -		 	 	Restricted   permeability	0.22

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Map symbol and soil name	Pct.   of  map  unit	manure and food processing was	l-	Application of sewage sludg	re	Disposal of wastewater by irrigation	1
	     	Rating class and   limiting features		Rating class and   limiting features		Rating class and   limiting features	
179F2:		 		 		 	
Gara	100	  Very limited   Slope 	11.00	  Very limited   Slope 	11.00	   Very limited   Too steep for   sprinkler   application	11.00
		Restricted permeability	0.30	Restricted permeability	0.22	= =	1.00      0.22
179G2:	1					1770 1444-04	
Gara	   	Very limited   Slope 	11.00	Very limited   Slope 	11.00	Very limited   Too steep for   sprinkler   application	11.00
		Restricted   permeability   	0.30	Restricted   permeability   	0.22       	Too steep for   surface   application   Restricted   permeability	1.00      0.22
192C2:		 		 		177	į
Adair	95           	Restricted   Restricted   permeability   Depth to   saturated zone   (NOV-JUL)		Very limited   Restricted   permeability   Depth to   saturated zone   (NOV-JUL) 	1.00    1.00       	permeability   Depth to   saturated zone   (NOV-JUL)   Too steep for   surface   application   Too steep for	1.00    1.00    1.00    0.92   
		 		 		sprinkler   application	
192D2:							-
Adair	95     	Very limited   Restricted   permeability		Very limited   Restricted   permeability		Very limited   Too steep for   surface   application	11.00
	     	Depth to   saturated zone   (NOV-JUL)	11.00	Depth to   saturated zone   (NOV-JUL)	11.00	Restricted   permeability	11.00
	   	Slope   	0.63   	Slope   	0.63   	Depth to   saturated zone   (NOV-JUL)	1.00   

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Map symbol and soil name	Pct.   of  map  unit	manure and food- processing was	-	Application of sewage sludg	re	Disposal of wastewater by irrigation	ı
	     	Rating class and   limiting features		Rating class and   limiting features		Rating class and   limiting features	
	       	 	       	 		Too steep for sprinkler application	  0.78   
211: Edina	  -  90         	Restricted permeability Depth to saturated zone (NOV-JUL) Runoff limitation	1.00    1.00 		1.00    1.00 		  1.00    1.00    0.07
220: Nodaway	  -  90 	  Somewhat limited   Flooding		=		  Somewhat limited   Flooding	0.60
222C:	i						i
Clarinda	100	Restricted permeability Depth to saturated zone (NOV-JUL) Runoff limitation	1.00    1.00 		1.00    1.00 	Very limited   Restricted   permeability   Depth to   saturated zone   (NOV-JUL)   Too steep for   surface   application   Too acid   Too steep for   sprinkler   application	1.00     1.00     1.00 
222C2: Clarinda	  - 100                       	Restricted   permeability   Depth to   saturated zone   (NOV-JUL)   Runoff limitation	1.00    1.00 		1.00    1.00		  1.00    1.00    1.00      0.92      0.07  0.02

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Map symbol and soil name	Pct.   of  map  unit	manure and food processing was	-	Application of sewage sludg	re	Disposal of wastewater by irrigation	1
	     	Rating class and   limiting features		Rating class and   limiting features		   Rating class and   limiting features 	
222C3:			 				
Clarinda	100	Restricted permeability	1.00    1.00 	permeability Depth to saturated zone (NOV-JUL)	  1.00    1.00    1.00	permeability   Depth to   saturated zone   (NOV-JUL)   Too steep for   surface	  1.00    1.00    1.00
	       	   Too acid       	  0.02       	 	       	application   Too acid   Too steep for   sprinkler   application	  0.07  0.02   
222D2:		I	l				1
Clarinda	100           	Restricted   permeability   Depth to   saturated zone   (NOV-JUL)		saturated zone (NOV-JUL)	  1.00    1.00      0.63	permeability Too steep for surface application	  1.00    1.00    1.00
		 		 		saturated zone   (NOV-JUL)	
		Runoff limitation       Too acid	0.40     0.02	Too acid     	0.07     	Too steep for   sprinkler   application   Too acid	0.78      0.07
223C2:	l I	 				 	
Rinda	- 100	Restricted   permeability	1.00    1.00 	permeability Depth to saturated zone (NOV-JUL)	  1.00    1.00      1.00	permeability Depth to saturated zone (NOV-JUL)	  1.00    1.00      0.92
	;         	   Too acid       	  0.02       	  -  -  -  -	·           	application   Too acid   Too steep for   sprinkler   application	  0.07  0.02 
223D2:		177		1575 14 3		137	1
Rinda	-IT00	very limited	I	Very limited	1	Very limited	1

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Map symbol and soil name	  Pct.   of  map	manure and food	-	Application   of sewage sludg	e	   Disposal of   wastewater   by irrigation	
	unit	=		 			-
	 	Rating class and   limiting features		Rating class and   limiting features		Rating class and   limiting features	Value   
	       	permeability Depth to saturated zone	11.00	Restricted permeability Depth to saturated zone	11.00	permeability Too steep for surface	11.00
	     	(NOV-JUL)   Slope   	  0.63   	(NOV-JUL)   Slope 	0.63	application   Depth to   saturated zone   (NOV-JUL)	11.00
	 	Runoff limitation	 	Too acid   	0.07	Too steep for   sprinkler   application	0.78   
		Too acid 	0.02 	<u> </u>	 	Too acid 	0.07
269: Humeston	  -   95	  Very limited		  Very limited		  Very limited	
	     	permeability Depth to saturated zone	1.00    1.00	permeability Depth to saturated zone	1.00    1.00	permeability Depth to saturated zone	1.00    1.00 
	       	Leaching   limitation	  0.60  0.50    0.02	=	  1.00  0.07 	-	  0.60  0.07 
269+:		 	 	 		 	
Humeston	-  95       	permeability	  1.00    1.00	permeability	  1.00    1.00	Very limited   Restricted   permeability   Depth to   saturated zone   (NOV-JUL)	11.00
	 	Flooding   Leaching   limitation	0.60  0.50    0.02	Flooding	1.00  0.07		0.60  0.07 
273B: Olmitz	  -  100   	    Not limited     	       	  Not limited      -	 	  Somewhat limited   Too steep for   surface   application	0.08
273C: Olmitz	    - 100   	    Not limited     	         	    Not limited     	         	  Somewhat limited   Too steep for   surface   application	      0.92

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and soil name	Pct.   of  map  unit	manure and food processing was	_	Application of sewage sludg		Disposal of   wastewater   by irrigation 	
				Rating class and   limiting features 			Value   
	       	 	       	  -  -  -  -	       	Too steep for sprinkler application	  0.02   
313D2:			1		1		1
Gosport	90   	Somewhat limited   Depth to   saturated zone   (NOV-JUL)		Very limited   Low adsorption   	11.00	Very limited   Too steep for   surface   application	11.00
	   	Droughty   	0.75   	Depth to   saturated zone   (NOV-JUL)	0.95   	Depth to   saturated zone   (NOV-JUL)	0.95   
	   	Slope   	0.63   	Droughty   	0.75   	Too steep for   sprinkler   application	0.78   
		Depth to bedrock   Restricted   permeability	0.46  0.30		0.63  0.46		0.75  0.46
313E2:		 		 		 	
Gosport	90   	Very limited   Slope 		Very limited   Low adsorption 	11.00	Very limited   Too steep for   surface   application	  1.00 
	   	Depth to   saturated zone   (NOV-JUL)	0.95	Slope 	11.00		11.00
		. ,	0.75	Depth to   saturated zone   (NOV-JUL)	0.95	Depth to   saturated zone   (NOV-JUL)	0.95
	     	Depth to bedrock   Restricted   permeability	0.46	Droughty	0.75  0.46	Droughty	0.75
313F:							
Gosport	90   	Very limited   Slope 	11.00	Very limited   Slope 	11.00	Very limited   Too steep for   sprinkler   application	11.00
	     	Depth to   saturated zone   (NOV-JUL)	  0.95 	   Low adsorption   	11.00		11.00
	     	. ,	0.71	Depth to   saturated zone   (NOV-JUL)	0.95	Depth to   saturated zone   (NOV-JUL)	0.95
	İ	Depth to bedrock	0.46		0.71		0.71

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Map symbol and soil name	Pct.   of  map  unit	manure and food processing was	l-	Application   of sewage sludg   	re	Disposal of wastewater by irrigation	n
	     	   Rating class and   limiting features 		   Rating class and   limiting features 		Rating class and   limiting features	
		   Restricted   permeability	10.30	   Depth to bedrock 	0.46	Depth to bedrock	  0.46
313F2:	l l	 	1	 	1	1	I
Gosport	90	  Very limited   Slope 	11.00	  Very limited   Slope 	11.00	  Very limited   Too steep for   sprinkler   application	11.00
		Depth to   saturated zone   (NOV-JUL)	0.95	   Low adsorption   	1.00	= =	11.00
	     	Droughty   Droughty	0.75	Depth to saturated zone (NOV-JUL)	0.95		0.95
	     	Depth to bedrock Restricted permeability	0.46	Droughty	0.75	Droughty	0.75  0.46
362: Haig	   90         	Restricted   permeability     Depth to   saturated zone	11.00	saturated zone (NOV-JUL)	1.00   	  Very limited   Depth to   saturated zone   (NOV-JUL)   Restricted   permeability	  1.00    1.00
2640.		(NOV-JUL)   Leaching   limitation 	  0.50 	 		 	 
364B: Grundy	   95   	  Very limited   Restricted   permeability   Depth to	  1.00    0.95	permeability	  1.00    0.95	  Very limited   Restricted   permeability   Depth to	  1.00    0.95
	       	saturated zone   (NOV-JUL)   	         	saturated zone   (NOV-JUL) 	 	saturated zone   (NOV-JUL)   Too steep for   surface   application	    0.08   
423C2: Bucknell	   95       	  Very limited   Restricted   permeability   Depth to   saturated zone   (NOV-JUL)	11.00	permeability	1.00	  Very limited   Restricted   permeability   Depth to   saturated zone   (NOV-JUL)	11.00

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct.   of  map  unit	manure and food- processing was	-	Application   of sewage sludg   	re	Disposal of   wastewater   by irrigation 	n
		Rating class and   limiting features		Rating class and   limiting features		Rating class and   limiting features	
		Runoff limitation	  0.40       		           	Too steep for surface application Too steep for sprinkler application	  0.92      0.02
423D:	i	 					i
Bucknell	95     	•	  1.00 	Very limited   Restricted   permeability	11.00	Very limited   Too steep for   surface   application	11.00
	 	Depth to saturated zone NOV-JUL)	  1.00   	Depth to saturated zone (NOV-JUL)	11.00		11.00
	   	Slope   	0.63   	Slope   	0.63   	Depth to   saturated zone   (NOV-JUL)	1.00   
	 	Runoff limitation    - 	0.40     	 	     	Too steep for   sprinkler   application	0.78   
423D2:	i	İ	İ	İ	İ	İ	İ
Bucknell	95     		  1.00 	Very limited   Restricted   permeability	11.00	Very limited   Too steep for   surface   application	11.00
	 	Depth to saturated zone NOV-JUL)	  1.00 	Depth to saturated zone (NOV-JUL)	11.00	Restricted   permeability	11.00
	 	Slope   	0.63 	Slope   	0.63   	Depth to saturated zone (NOV-JUL)	11.00
	     	Runoff limitation     	0.40     	 	     	Too steep for   sprinkler   application 	0.78     
425D:		 		177 3 / / 4		177 3 / / 1 4	1
Keswick	95     	Very limited   Restricted   permeability 		Very limited   Restricted   permeability	11.00	Very limited   Too steep for   surface   application	11.00
	     	Depth to   saturated zone   (NOV-JUL)	  1.00   	Depth to saturated zone (NOV-JUL)	11.00	= =	11.00
	   		0.63 		0.63	Depth to saturated zone (NOV-JUL)	11.00

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Map symbol and soil name	Pct.   of  map  unit	manure and food processing was	Application   of sewage sludg   	re	Disposal of wastewater by irrigatior	1	
	     	   Rating class and   limiting features 	Value	Rating class and   limiting features		Rating class and   limiting features	Value
	         	   Too acid     	0.08	Too acid	0.31	Too steep for sprinkler application Too acid	0.78
425D2: Keswick	   95   	•	11.00	  Very limited   Restricted   permeability	11.00	  Very limited   Too steep for   surface   application	1 1.00
	     	Depth to   saturated zone   (NOV-JUL)	11.00	Depth to   saturated zone   (NOV-JUL)	11.00		11.00
	     	Slope 	0.63		0.63	Depth to saturated zone (NOV-JUL)	11.00
		Too acid   	0.08	Too acid   	0.31	Too steep for   sprinkler   application   Too acid	0.78      0.31
430: Ackmore	   90   91   1   1	  -  Very limited   Depth to   saturated zone   (NOV-JUL)   Flooding	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 	      1.00      1.00	  Very limited   Depth to   saturated zone   (NOV-JUL)	1   1   1   1   1   1   1   1   1   1
451D2: Caleb	     90 	    Somewhat limited   Slope 	      0.63	    Somewhat limited   Slope 	      0.63	    Very limited   Too steep for   surface	      1.00
	       	   Too acid     	  0.08   	   Too acid     	0.31	application   Too steep for   sprinkler   application   Too acid	  0.78      0.31
451E2: Caleb	   90   	  Very limited   Slope 	1 1.00	  Very limited   Slope 	1.00	  Very limited   Too steep for   surface   application	1.00
	     	   Too acid   	0.08	   Too acid   	0.31	= =	11.00

WASTE DISPOSAL INTERPRETATIONS

## Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	manure and food processing was	l-	Application   of sewage sludge   		Disposal of   wastewater   by irrigation 	
	 	Rating class and   limiting features 		Rating class and   limiting features		Rating class and   limiting features	Value   
	   	 		 		   Too acid	0.31
452C: Lineville	  100	  Very limited	i I	    Very limited		    Very limited	i I
		Restricted   permeability	11.00	Restricted   permeability	11.00	Restricted   permeability	1.00
	     	Depth to dense   layer	1.00	_	11.00	_	11.00
	,     	Depth to saturated zone (NOV-JUL)	11.00		 	Too steep for   surface   application	0.92
	 	( 662)	 			Too steep for sprinkler application	0.02
452C2:		 				 	i
Lineville	100   	Very limited   Restricted   permeability	11.00	Very limited   Restricted   permeability	11.00	Very limited   Restricted   permeability	11.00
	 	Depth to dense   layer	11.00	•	1.00	Depth to   saturated zone   (NOV-JUL)	1.00
		Depth to   saturated zone	11.00	(NOV-00E) 		Too steep for   surface	0.92
	       	(NOV-JUL)     	       	 	       	application   Too steep for   sprinkler   application	10.02
453:	   05	,     137a.u.	j	1770 1	į	, 	į
Tuskeego	95   	Very limited   Restricted   permeability		Very limited   Restricted   permeability		Very limited   Restricted   permeability	11.00
	 	Depth to   saturated zone   (NOV-JUL)	11.00	Depth to   saturated zone   (NOV-JUL)	11.00	Depth to   saturated zone   (NOV-JUL)	11.00
		Leaching   limitation   Too acid	0.50    0.02	Flooding	0.40		0.07
47000		100 4014					1
470D2: Lamoni	   70     	  Very limited   Restricted   permeability 	    1.00 	  Very limited   Restricted   permeability 	    1.00 	  Very limited   Too steep for   surface   application	11.00

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and soil name	Pct.   of  map  unit	manure and food-   processing waste		Application   of sewage sludg   	Application   of sewage sludge   		n
	<u>.</u>     	   Rating class and   limiting features 		Rating class and   limiting features		Rating class and   limiting features	Value
	       	   Depth to   saturated zone   (NOV-JUL)	11.00	Depth to   saturated zone   (NOV-JUL)	11.00	Restricted permeability	11.00
	 	Slope 	0.63	Slope	0.63	Depth to saturated zone (NOV-JUL)	11.00
	     	   Too acid   	0.02	   Too acid   	0.07	Too steep for   sprinkler   application	0.78
	 	 	 	 		Too acid 	0.07
Shelby	30     	  Somewhat limited   Slope 	  0.63 	Somewhat limited   Slope 	0.63	   Very limited   Too steep for   surface   application	11.00
	   	Restricted permeability	0.30	Restricted   permeability	0.22	Too steep for   sprinkler   application	0.78
	     	Too acid   	0.02	Too acid   	0.07	Restricted   permeability   Too acid	0.22
484: Lawson	     90   	saturated zone	      1.00	    Very limited   Flooding 	1 1.00	  Very limited   Depth to   saturated zone	1 1.00
	     	(NOV-JUL)   Flooding   	  0.60   	Depth to   saturated zone   (NOV-JUL)	1.00	(NOV-JUL)   Flooding   	0.60 
	 	Runoff limitation	0.40	 		 	
587: Chequest	   90   	  Very limited   Depth to   saturated zone   (NOV-JUL)	    1.00 	  Very limited   Depth to   saturated zone   (NOV-JUL)	11.00	  Very limited   Depth to   saturated zone   (NOV-JUL)	11.00
	       	Flooding	0.60  0.30 	Flooding	11.00	Flooding	0.60  0.22 
587+: Chequest	   90   	  Very limited   Depth to   saturated zone   (NOV-JUL)	    1.00 	  Very limited   Depth to   saturated zone   (NOV-JUL)	11.00	  Very limited   Depth to   saturated zone   (NOV-JUL)	11.00

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	Pct.   of  map  unit	manure and food processing was	Application of sewage sludg	е	Disposal of wastewater by irrigation	1	
	     			Rating class and   limiting features			
	     	Restricted   permeability	10.30	Restricted permeability	0.22	Restricted permeability	  0.22   
592C2: Mystic	   90                   	permeability Depth to saturated zone (NOV-JUL)	1.00    1.00 		   1.00   1.00   1.00   1   0.31   1   1	permeability Depth to saturated zone (NOV-JUL)	   1
592D2:		 	 	 		 	
Mystic	90     			Very limited   Restricted   permeability	11.00	Very limited   Too steep for   surface   application	11.00
	     	Depth to saturated zone (NOV-JUL)	1.00   	Depth to saturated zone (NOV-JUL)	1.00	· • •	11.00
	 	Slope 	0.63 	Slope	0.63	saturated zone	11.00
	     	   Too acid   	  0.08   	   Too acid   	0.31	(NOV-JUL)   Too steep for   sprinkler   application	  0.78   
		 	 	 	 	Too acid	0.31 
711: Nodaway	   70   		0.60		11.00	  Somewhat limited   Flooding 	    0.60
Lawson	   25   	•	    1.00 	  Very limited   Flooding 	1 1.00	  Very limited   Depth to   saturated zone   (NOV-JUL)	1 1.00
			  0.60   	Depth to   saturated zone   (NOV-JUL)	1.00		0.60
	 	Runoff limitation	0.40	[ [	 	] I	

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Map symbol and soil name	Pct.   of  map  unit	manure and food processing was	_	Application Of sewage sludg	е	Disposal of wastewater by irrigation	1
		Rating class and   limiting features		Rating class and   limiting features		Rating class and   limiting features	Value   
792C: Armstrong	-   100   100   1   1	     	      1.00    1.00 	 		  Very limited   Restricted   permeability   Depth to   saturated zone   (NOV-JUL)   Too steep for	    1.00    1.00      0.92
		 	         	 	 	surface   application   Too steep for   sprinkler   application	    0.02   
792C2: Armstrong	 - 100                 		  1.00    1.00         	permeability	  1.00    1.00         		  1.00    1.00        0.92      0.02
792D: Armstrong	 - 100     	  Very limited   Restricted   permeability     Depth to	  1.00      1.00	  Very limited   Restricted   permeability     Depth to	  1.00      1.00	  Very limited   Too steep for   surface   application   Restricted	  1.00    1.00
	         	saturated zone   (NOV-JUL)   Slope     	    0.63       	saturated zone   (NOV-JUL)   Slope     	    0.63       	permeability     Depth to   saturated zone   (NOV-JUL)   Too steep for   sprinkler   application	  1.00      0.78
792D2: Armstrong	  - 100   	    Very limited   Restricted   permeability 	      1.00 	  Very limited   Restricted   permeability	      1.00 	    Very limited   Too steep for   surface   application	      1.00

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Map symbol and soil name	Pct.   of  map  unit	manure and food processing was	<u> </u>	Application of sewage sludg	re	Disposal of wastewater by irrigation	1
		   Rating class and   limiting features		Rating class and   limiting features		Rating class and   limiting features	Value
	       	   Depth to   saturated zone   (NOV-JUL)	11.00	Depth to   saturated zone   (NOV-JUL)	11.00	Restricted   permeability	1.00
	     	Slope 	0.63		0.63	Depth to saturated zone (NOV-JUL)	11.00
	     	 	     	 	     	Too steep for   sprinkler   application	0.78   
792D3: Armstrong	1100	    Vorginal+od		    Very limited		    Very limited	į
AIMSCIONG		Restricted   permeability	11.00	<del>-</del>	11.00	<del>-</del>	11.00
	     	Depth to saturated zone (NOV-JUL)	11.00	Depth to saturated zone (NOV-JUL)	11.00	Restricted   permeability	11.00
		Slope   	0.63   	Slope   	0.63   	Depth to   saturated zone   (NOV-JUL)	1.00   
	     	 	     	 	     	Too steep for   sprinkler   application	0.78   
822C: Lamoni	    95	'    Very limited		    Very limited	 	    Very limited	
24		Restricted   permeability	1.00	=	1.00		1.00
		Depth to   saturated zone   (NOV-JUL)	11.00	= =	1.00	Depth to   saturated zone   (NOV-JUL)	11.00
		Too acid	0.01		0.01		0.92
		 	 	 	 	Too steep for   sprinkler   application	0.02
822C2:		   	 	  -	 	Too acid	0.01
Lamoni	95 	  Very limited   Restricted		  Very limited   Restricted	1   1.00	  Very limited   Restricted	1
	İ	permeability   Depth to	İ	permeability   Depth to	11.00	permeability	11.00
		saturated zone (NOV-JUL)		saturated zone (NOV-JUL)	 	saturated zone (NOV-JUL)	

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Map symbol and soil name	Pct.   of  map  unit	manure and food- processing waste		Application   of sewage sludg   	re	Disposal of   wastewater   by irrigation 	
	     	Rating class and limiting features		Rating class and   limiting features		Rating class and   limiting features	Value   
		   Too acid 	  0.01 	   Too acid   	0.01	Too steep for surface application	  0.92   
	     	 		 	     	Too steep for   sprinkler   application   Too acid	0.02      0.01
822D:		 		 		 	
Lamoni	-  95     	Very limited   Restricted   permeability 	  1.00 	Very limited   Restricted   permeability 	  1.00 	Very limited   Too steep for   surface   application	  1.00 
	   	Depth to saturated zone NOV-JUL)	11.00	Depth to saturated zone (NOV-JUL)	11.00	Restricted   permeability	11.00
	   	Slope   	0.63   	Slope   	0.63   	Depth to   saturated zone   (NOV-JUL)	1.00   
	   	Too acid   	0.01   	Too acid   	0.01   	Too steep for   sprinkler   application	0.78   
	]	 		 		Too acid 	0.01 
822D2: Lamoni	  - 95	  Very limited		  Very limited		  Very limited	1
		Restricted   permeability	1.00 	Restricted   permeability	1.00 	Too steep for   surface   application	1.00 
	i I	Depth to saturated zone (NOV-JUL)	11.00	Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00
	 	Slope 	0.63	Slope   	0.63	Depth to saturated zone (NOV-JUL)	11.00
		Too acid	0.01	Too acid	0.01	Too steep for   sprinkler   application	0.78   
831B:		  -  -	 	 	 	Too acid 	0.01
Pershing	100	  Very limited   Restricted   permeability	11.00	  Very limited   Restricted   permeability	11.00	  Very limited   Restricted   permeability	11.00
		Depth to   saturated zone	0.43	Depth to   saturated zone	0.43	Depth to   saturated zone	0.43
		(NOV-JUL)   Too acid	  0.08	(NOV-JUL)   Too acid	  0.31	(NOV-JUL)   Too acid	  0.31

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct.   of  map  unit	manure and food processing was	_	Application of sewage sludg	e	Disposal of wastewater by irrigation	
	     	   Rating class and   limiting features 		Rating class and   limiting features			
	       	 	 	 		Too steep for surface application	0.08
831C: Pershing	1 100	Restricted permeability	  1.00    0.43	permeability	  1.00    0.43	  Very limited   Restricted   permeability   Too steep for   surface	  1.00    0.92
		(NOV-JUL)	  0.08     	(NOV-JUL)	0.31	application Depth to saturated zone (NOV-JUL) Too acid	0.43
831C2:		 	     	 		Too steep for   sprinkler   application 	0.02     
Pershing	100	Restricted permeability	1.00 	permeability	1.00 	permeability	11.00
	     	saturated zone (NOV-JUL)	0.43      0.08	saturated zone (NOV-JUL)	0.43      0.31	Too steep for   surface   application   Depth to	0.92        0.43
	 	 	   	 		saturated zone (NOV-JUL) Too acid	    0.31
	     	 	     	 		Too steep for   sprinkler   application	0.02     
894D2:	į		į	İ	į		į
Bucknell	65     			Very limited   Restricted   permeability	11.00	Very limited   Too steep for   surface   application	  1.00 
	 	Depth to saturated zone (NOV-JUL)	1.00   	Depth to saturated zone (NOV-JUL)	1.00		11.00
	 	 	0.63   	 	0.63   	saturated zone (NOV-JUL)	1.00   
	 	Runoff limitation   	0.40   	Too acid   	0.07   	Too steep for   sprinkler   application	0.78   

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

± ±	Pct.   of  map  unit	of   manure and food- map   processing waste				Disposal of wastewater by irrigation		
	     			Rating class and   limiting features				
		   Too acid	10.02	   		Too acid	10.07	
Gara	35   	'		Somewhat limited   Slope 	0.63	  Very limited   Too steep for   surface   application	11.00	
	 	Restricted permeability	0.30	Restricted permeability	0.22	Too steep for   sprinkler   application	0.78	
993D2:	 	 	 	 		Restricted   permeability 	10.22	
Gara	   60   		    0.63 	  Somewhat limited   Slope 	0.63	  Very limited   Too steep for   surface   application	11.00	
	  -  -  -  -	Restricted permeability	0.30       	Restricted permeability	0.22		0.78      0.22	
Armstrong	   40   	. =		  Very limited   Restricted   permeability		  Very limited   Too steep for   surface   application	1 1.00	
	     	   Depth to   saturated zone   (NOV-JUL)		Depth to   saturated zone   (NOV-JUL)	11.00	Restricted   permeability	11.00	
	 	Slope   	0.63   	Slope   	0.63 	Depth to saturated zone (NOV-JUL)	11.00	
	 	 	     	 		Too steep for   sprinkler   application	0.78   	
1711: Nodaway	   65 	  Very limited   Flooding   Runoff limitation	11.00			  Very limited   Flooding 	11.00	
Lawson	   25       	Flooding	1.00	  Very limited   Flooding   Depth to   saturated zone   (NOV-JUL)		  Very limited   Flooding   Depth to   saturated zone   (NOV-JUL)	  1.00  1.00 	

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

and soil name	  Pct.   of  map  unit	manure and food- processing waste		   Application   of sewage sludg   	е	   Disposal of   wastewater   by irrigation	
	     	   Rating class and   limiting features		   Rating class and   limiting features			
5021: Orthents	    100   	      Not rated   	         	    Not rated   	           	      Not rated   	 
5025: Strip Mines	         100     	      Not rated   	           	      Not rated   	 	      Not rated   	 
5040: Orthents	        100   	      Not rated     	 	      Not rated   	           	      Not rated     	           
INT: Intermittent Water	        100   	 	 	      Not rated   	           	      Not rated     	           
SL: Sewage Lagoon	        100   	 	 	      Not rated   	           	 	           
W: Water	        100   	 	 	      Not rated     	 	  -  -  Not rated  -  -	 
	   	 	   	  - 	   	 	   

(The	information in this table indicates the dominant soil condition but does not eliminate the need
	for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The
	larger the value, the greater the limitation. See text for further explanation of ratings in
	this table.)

Map symbol	Pct.					
Map symbol and soil name	of					
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